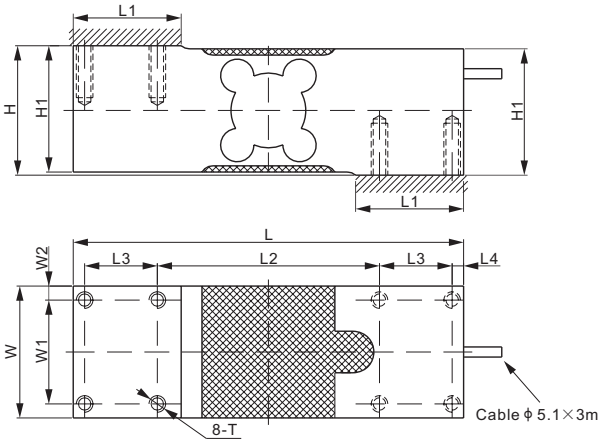
108MA; 108MAUN

ANYLOAD

Aluminum



RoHS

DIMENSIONS

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	W	W1	W2	T
108MAUN, 108MAUN-A1:											
kg/mm											
50–1,000	62.3	60.8	188.0	52.0	107.0	35.0	5.5	63.5	50.0	6.8	5/16–18 UNC–2B Depth20
lb/inches (conversion of above dimensions)											
110.23–2,204.62	2.45	2.39	7.40	2.05	4.21	1.38	0.22	2.50	1.97	0.27	5/16–18 UNC–2B Depth0.8
108MA, 108MA-A1:											
kg/mm											
50–1000	62.3	60.8	188.0	52.0	107.0	35.0	5.5	63.5	50.0	6.8	M8 Depth20
lb/inches (conversion of above dimensions)											
110.23–2,204.62	2.45	2.39	7.40	2.05	4.21	1.38	0.22	2.50	1.97	0.27	M8 Depth0.8

SINGLE POINTS

SPECIFICATIONS			
Maximum Capacity (Emax)	kg	50 / 75 / 100 / 150 / 200 / 250 / 300 / 500 / 635 / 660/ 1000	
Model		108MA/108MAUN	108MA-A1/108MAUN-A1
Accuracy class according to NTEP Class III S		1:3000	1:4000
Maximum number or verification interval (nmax)		3000	4000
Y		12300	
Temperature effect on zero balance	%*Cn/K	±0.00114	
Temperature effect on sensitivity	%*Cn/K	±0.0012	±0.000875
Non-linearity	%*Cn	±0.017	±0.010
Hysteresis Error	%*Cn	±0.017	±0.012
Creep error (30min)/DR	%*Cn	±0.017	±0.012
Full Scale Output (Cn)	mV/V	2±10%	
Zero Balance	mV/V	±0.02	
Recommended voltage	V	10 (15 Maximum)	
Input Resistance	Ω	415±15	
Output Resistance	Ω	350±3	
insulation resistance [50V DC]	GΩ	>2	
Safe overload [Elim]	%*Emax	150	
Breaking overload	%*Emax	300	
Safe side load	%*Emax	100	
Nominal temperture range	°C / °F	-10 to 40 / 14 to 104	
Element Material		Aluminum, Clear Anodized	
Seal type / IP rating		Environmentally Sealed / IP66	
Cable color code		Exc+ Red Exc- Black Sig+ Green Sig- White	

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PART NUMBER*

Metric thread, 1:3000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MA-50kg	1.9
75kg	108MA-75kg	1.9
100kg	108MA-100kg	1.9
150kg	108MA-150kg	1.9
200kg	108MA-200kg	1.9
250kg	108MA-250kg	1.9
300kg	108MA-300kg	1.9
500kg	108MA-500kg	1.9
635kg	108MA-635kg	1.9
660kg	108MA-660kg	1.9
1000kg	108MA-1000kg	1.9

Metric thread, 1:4000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MA-50kg-A1	1.9
75kg	108MA-75kg-A1	1.9
100kg	108MA-100kg-A1	1.9
150kg	108MA-150kg-A1	1.9
200kg	108MA-200kg-A1	1.9
250kg	108MA-250kg-A1	1.9
300kg	108MA-300kg-A1	1.9
500kg	108MA-500kg-A1	1.9
635kg	108MA-635kg-A1	1.9
660kg	108MA-660kg-A1	1.9
1000kg	108MA-1000kg-A1	1.9

* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

PART NUMBER*

Imperial thread, 1:3000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MAUN-50kg	1.9
75kg	108MAUN-75kg	1.9
100kg	108MAUN-100kg	1.9
150kg	108MAUN-150kg	1.9
200kg	108MAUN-200kg	1.9
250kg	108MAUN-250kg	1.9
300kg	108MAUN-300kg	1.9
500kg	108MAUN-500kg	1.9
635kg	108MAUN-635kg	1.9
660kg	108MAUN-660kg	1.9
1000kg	108MAUN-1000kg	1.9

Imperial thread, 1:4000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MAUN-50kg-A1	1.9
75kg	108MAUN-75kg-A1	1.9
100kg	108MAUN-100kg-A1	1.9
150kg	108MAUN-150kg-A1	1.9
200kg	108MAUN-200kg-A1	1.9
250kg	108MAUN-250kg-A1	1.9
300kg	108MAUN-300kg-A1	1.9
500kg	108MAUN-500kg-A1	1.9
635kg	108MAUN-635kg-A1	1.9
660kg	108MAUN-660kg-A1	1.9
1000kg	108MAUN-1000kg-A1	1.9

INTERCHANGEABLE REFERENCE

Manufacturer	Model
108MA	
Mettler-Toledo	MT1260
108MAUN	
Coti Global	CG-50-1
HBM	PW16
Rice Lake	RL26018A
Rice Lake	RLPWM16
Rice Lake	RL1260
Vishay Tedea-Huntleigh	1260

50kg-500kg: NTEP 1:5 000 Class III, Single Cell;
635kg-660kg: NTEP 1:4 000 Class III, Single Cell

50kg-500kg: OIML MAA C6, Y=29 000;
635kg-660kg: OIML MAA C4, Y=4 000

For further definition of P/N's & specifications per NTEP/OIML classes, please contact us.

AVAILABLE OPTION

■ stainless steel version of 108MAUN: 651KS55UN (page 75)

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